

Title (en)
MEDICAL IMPLANT FOR GAS EXCHANGE

Title (de)
MEDIZINISCHES IMPLANTAT ZUM GASAUSTAUSCH

Title (fr)
IMPLANT MÉDICAL DESTINÉ À L'ÉCHANGE DE GAZ

Publication
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Application
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Abstract (en)
[origin: CA3081241A1] The invention relates to a medical implant for treating bone defects having at least one hollow body (1), which delimits an inner chamber in the interior of the hollow body (1), a fluid feed line (2), which is connected in fluid-permeable manner with the inner chamber of the hollow body (1), and a fluid discharge line (3), which is connected in fluid-permeable manner with the inner chamber of the hollow body (1), wherein the hollow body (1) consists at least in places or wholly of at least one plastics material, wherein the at least one plastics material is impermeable to liquids and is permeable to oxygen and to carbon dioxide, such that oxygen is deliverable from a fluid passed through the hollow body (1) to the surroundings of the hollow body (1) and carbon dioxide is absorbable from the surroundings of the hollow body (1) into the fluid. The invention also relates to a bone defect treatment system having such a medical implant and the fluid, wherein the fluid contains oxygen and is suitable for absorbing oxygen, and to a method for gas-flushing a surface of a medical implant.

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